Subject: Re: MAP_SET Aspect Ratio
Posted by cavin on Fri, 02 Jun 1995 07:00:00 GMT
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I just wrote:
: Do I really have to tweak the window's scaling factors manually
: in order to get a true map projection?
 No.

After messing around with Tech. support for a little while (I thought
that they had hung up, but they actually call you back), I found out
that they have added a key word to MAP_SET that creates a properly
scaled projection. The /ISOTROPIC keyword is available in our
version (3.6.1a), but isn't documented in the 3.6 documentation.

Have a nice day,
Colby Cavin
US Geological Survey
ccavin@orcapaktcm.wr.usgs.gov

Subject: Re: MAP_SET Aspect Ratio
Posted by afl on Fri, 02 Jun 1995 07:00:00 GMT
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In article <3qnvjm$fl@smoke.ups.edu>, cavin@odin.ups.edu (Colby Cavin) writes:
|> I have a question about using the MAP_SET function in IDL. I'm
|> trying to overlay some contour maps onto a specific map projection.
|> So far, I can plot up everything just fine, but the aspect ratio is
|> all messed up. When I set the limits, IDL takes those and scales
|> them to fit the existing plot window, allowing the programmer to
|> make Colorado 3 miles wide and 600 miles high (not a very helpful
|> map projection).
|>
|> Do I really have to tweak the window's scaling factors manually
|> in order to get a true map projection?
|>
|> Thanks for your help.
|>
|> Colby Cavin
|> US Geological Survey
|> ccavin@orcapaktcm.wr.usgs.gov cavin@ups.edu
|> (206) 593-6516

A "true" map projection is had with the /isometric keyword.
This goes down as the single greatest IDL mystery-- revealed to
me by someone from the U.K. The position keyword may also help

in some instances, as can the xmargin and ymargin keywords.

--

Andrew F. Loughe   email: afl@cdc.noaa.gov
University of Colorado, CIRES   voice: (303) 492-0707
Campus Box 449   fax: (303) 497-7013
Boulder, CO 80309-0449   USA

Subject: Re: MAP_SET Aspect Ratio
Posted by afl on Mon, 05 Jun 1995 07:00:00 GMT

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In article <3qo3f2$i5@smoke.ups.edu>, cavin@odin.ups.edu (Colby Cavin) writes:
|> I just wrote:
|> : Do I really have to tweak the window's scaling factors manually
|> : in order to get a true map projection?
|> No.
|>
|> After messing around with Tech. support for a little while (I thought
|> that they had hung up, but they actually call you back), I found out
|> that they have added a key word to MAP_SET that creates a properly
|> scaled projection. The /ISOTROPIC keyword is available in our
|> version (3.6.1a), but isn't documented in the 3.6 documentation.
|>
|> Have a nice day,
|> Colby Cavin
|> US Geological Survey
|> ccavin@orcapaktcm.wr.usgs.gov

Right on!   Sorry about the "isometric" blunder,
I must have been doing my exercises at the time!

--

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